

Michael Kronovet

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Education

Carnegie Mellon University 2017-2020

GPA: 3.73/4.00

Bachelors of Science in Statistics and Machine Learning

Relevant Courses

10-701 Introduction to Machine Learning (PhD)

36-462 Special Topics: Data Mining

36-402 Advanced Data Analysis

Work Experience

Quantitative Trading Intern at Virtu Financial 2019

Leading high frequency trading and market making firm.

- Incoming summer intern to design high-performance algorithmic trading strategies.

Projects & Activities

Joint Funding Committee Member 2018-present

Joint graduate and undergraduate body that allocates budgets for university organizations.

- In charge of dividing approximately \$1.8 million in funding across all CMU organizations.

Modeling the Quantum Many-Body Problem 2019

Neural Network to simulate the interactions between electron spins for many quantum states.

- Developed RBM in python to output minimized energy states for various Hamiltonian operators.

Carnegie Mellon Racing System Lead 2017-2019

Team of students who build a fully functional electric formula one race car from scratch every year.

- Placed first in the 2018 Formula SAE Electric Vehicle Competition.

Website Prototyping System 2018

App that transforms images of hand-drawn website layouts to rendered HTML/CSS in real time.

- Used OpenCV, React-Native, and an API to extract, transmit, and convert data from drawings.

Intellichess 2017

Chess engine and multiplayer game in python.

- Developed chess AI with a custom neural network and implemented multiplayer with sockets.

Muon Scattering Tomography Developer 2016-2017

Team with two other students inventing a cheaper way to pinpoint the trajectory of cosmic ray muons.

- 3rd Place in Physics and Astronomy at Intel International Science and Engineering Fair.

Skills & Hobbies

Technical Skills: Python, C, R, CAD, Unity, Microsoft Excel (VBA and Macros)

Clubs and Hobbies: Tennis, Drums, Moneythink mentoring